

## OC90D

### Liquid Dielectric Test Sets with Manual Control - 90 kV



■ The OC90D Liquid Dielectric Test Set accurately and reliably tests dielectric strength of insulating liquids used in a wide variety of electrical apparatus. The rugged, lightweight and portable design ensures years of safe and trouble-free operation both in the field and in the laboratory.

This series is designed to meet testing specifications from all parts of the world with test cells available for ASTM D877, and ASTM D1816 testing standards. Each unit also includes three pre-programmed rates of voltage rise and automatic termination of high voltage upon sample breakdown. A digital memory kilovoltmeter automatically records the breakdown voltage for each test sample. A 60kV AC model, OC60-DI, is available with digital interface controls.

90kV Test Set  
(pictured right)



#### FEATURES

- ☑ **Environmental friendly FR3™** transformer oil
- ☑ **Lightweight and portable** design
- ☑ **Rugged and reliable** construction
- ☑ **Automatic high voltage shutdown** at breakdown point
- ☑ **Digital** memory kilovoltmeter
- ☑ **Meter accuracy**  $\pm 2\%$  of full scale
- ☑ **Safety interlocked** high voltage section
- ☑ Test cells available for **ASTM D877, ASTM D1816** and testing

#### BENEFITS

- Multi-purpose** compact design for field and factory.
- Sturdy and Reliable** for a long trouble free life
- Easy** to use integrated controller.

#### APPLICATIONS

##### Testing of insulating liquids in:

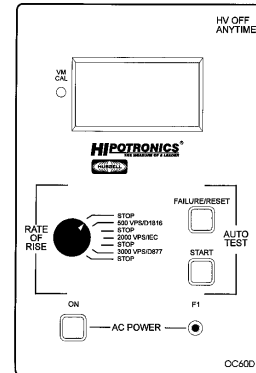
- Transformers
- Bushings
- Switchgear
- Capacitors
- Hydraulics



## TECHNICAL SPECIFICATIONS

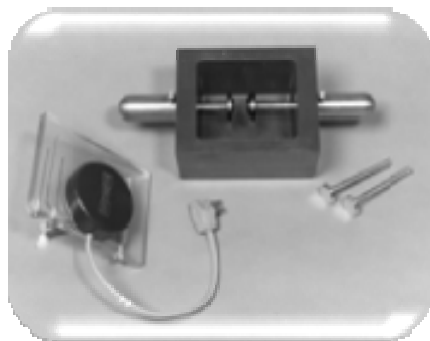
<b>Model Number</b>		<b>OC90D-*</b>
<b>System Output</b>		<b>0 - 90kV</b>
<b>Meter Accuracy</b>		<b>±2% of full scale</b>
<b>Dimensions (W x H x D)</b>	<b>Net</b>	30 x 12 x 17 in (76 x 30 x 43 cm)
	<b>Shipping</b>	30 x 20 x 20 in (76 x 51 x 51 cm)
<b>Weight</b>	<b>Net</b>	122lbs (55kg)
	<b>Shipping</b>	190lbs (86kg)
<b>Input Voltage &amp; Frequency</b>		* In the model number, designate 'A' for <b>120V/60Hz</b> input or 'B' for <b>230V/50 Hz</b> input
<b>Harmonized Tariff Code</b>		9030.33.0040
<b>ECCN</b>		3A992.A
<b>Included Accessories</b>		Input Chord (7.5ft/2.3m), Calibration Certificate, Operations Manual

## SYSTEM CONTROLS



## OPTIONAL EQUIPMENT & ACCESSORIES

Part Number	Description	Dimensions (W x H x D)	Weight	
			Net	Shipping
<b>TCCE90</b>	<b>Test Cell:</b> Contains VDE mushroom electrodes and motor driven circulating system ( <b>ASTM D1816</b> ). disc electrodes with 0.1 inch gap gauge are supplied ( <b>ASTM D877</b> ).	13 x 6 x 6 in (33 x 15 x 15 cm)	11 lbs (5 kg)	20 lbs (9 kg)
<b>OCCM-E</b>	<b>Calibration Cell:</b> Digital Calibration and ramp rate meter. Digital display (0.5 inch), molded epoxy case, and 2% accuracy at full scale.	6 x 6 x 6 in (15 x 15 x 15 cm)	4 lbs (2 kg)	8 lbs (4 kg)
<b>SPK1-OC90D</b>	Spare Parts Kit for OC90D			
<b>EXT-WARN-1</b>	One year extended warranty			



Test Cell: TCCE90  
ASTM D877  
ASTM D1816  
(pictured left)